

Exam

Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) The principle that individuals and firms pick the activity level where the incremental benefit of that activity equals the incremental cost of that activity is known as the _____ 1) _____
- A) spillover principle. B) marginal principle.
C) principle of opportunity cost. D) principle of diminishing returns.

Answer: B

Explanation: A)
B)
C)
D)

- 2) Saving time by driving faster is an example of a _____ of driving faster. Increasing the severity of injuries from a potential accident due to driving faster is a(n) _____ of driving faster. 2) _____
- A) nominal cost; real cost B) marginal cost; nominal cost
C) normative benefit; opportunity cost D) marginal benefit; marginal cost

Answer: D

Explanation: A)
B)
C)
D)

Recall the Application about the impact inflation has on your potential future salary and the repayment of student loans to answer the following question(s).

- 3) According to this Application, if you earn a salary of \$80,000 in the first year and all prices decrease by half in the next 5 years, what will your nominal annual salary be in 5 years? 3) _____
- A) \$8,000 B) \$10,000 C) \$20,000 D) \$40,000

Answer: D

Explanation: A)
B)
C)
D)

- 4) According to the possible trade-off example between warships and drinking water in the text, the policy question that should be considered in Malaysia is _____ 4) _____
- A) do the benefits of the warships exceed their opportunity costs?
B) do the nominal costs of the warships exceed their real costs?
C) do the opportunity costs of the warships exceed their nominal costs?
D) do the real costs of the warships exceed their nominal costs?

Answer: A

Explanation: A)
B)
C)
D)

Units of Capital	Number of Workers	Output/Day
5	0	0
5	1	40
5	2	90
5	3	150
5	4	200
5	5	235

Table 2.3

5) Refer to Table 2.3. The principle of diminishing returns first occurs when how many workers are hired? 5) _____

- A) 2 B) 3 C) 4 D) 5

Answer: C

Explanation: A)
B)
C)
D)

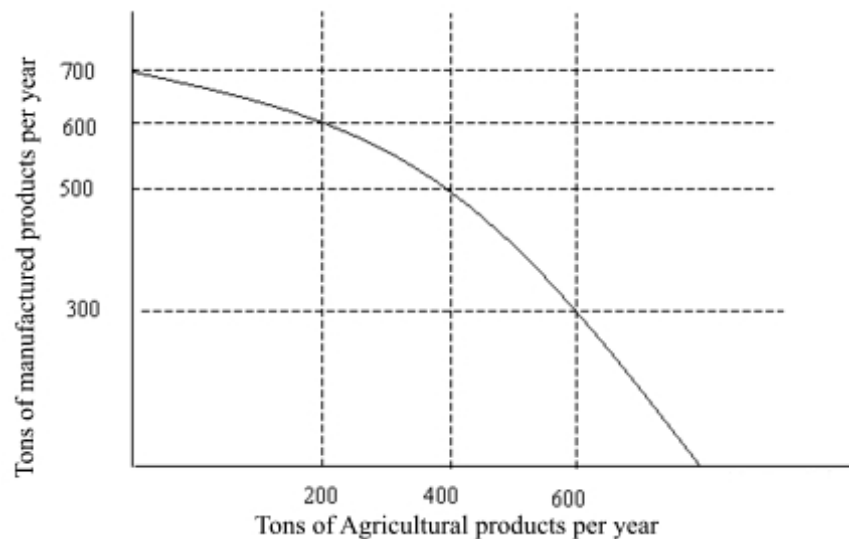


Figure 2.1

6) The production possibilities curve in Figure 2.1 illustrates the notion of 6) _____

- A) increased factory goods production. B) opportunity cost.
C) increased farm produce production. D) diminishing resources.

Answer: B

Explanation: A)
B)
C)
D)

Units of Capital	Number of Workers	Output/Day
5	0	0
5	1	40
5	2	90
5	3	150
5	4	200
5	5	235

Table 2.3

- 7) Refer to Table 2.3. What can be observed about the given resources?
- A) Capital is variable. B) Capital is fixed.
C) Capital and labor are both fixed. D) Labor is fixed.

7) _____

Answer: B

Explanation: A)
B)
C)
D)

Hours of Operation	Marginal Cost
1	6
2	12
3	18
4	24
5	30
6	36
7	42

Table 2.2

- 8) Krystal runs a nail salon and needs to decide how many hours to stay open. Table 2.2 illustrates her marginal costs of staying open for each additional hour. Suppose that we observe Krystal staying open 2 hours per day. If she is following the marginal principle, what must her marginal benefit be?

8) _____

- A) \$6 B) \$12 C) \$15 D) \$18

Answer: B

Explanation: A)
B)
C)
D)

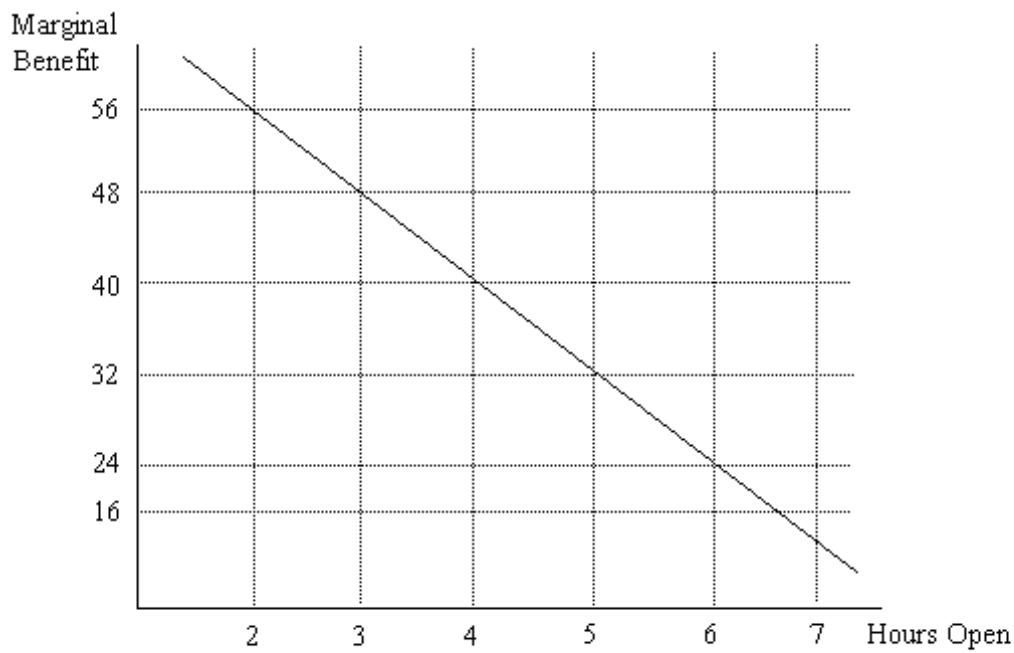


Figure 2.2

9) Joe runs a business and needs to decide how many hours to stay open. Figure 2.2 illustrates his marginal benefit of staying open for each additional hour. Suppose that we observe Joe staying open 5 hours per day. If he is following the marginal principle, what must his marginal cost per hour be?

9) _____

- A) \$16 B) \$24 C) \$32 D) \$40

Answer: C

Explanation: A)
B)
C)
D)

Bath	Groom
0	6
7	5
13	4
18	3
22	2
25	1
27	0

Table 2.1

10) Kaitlyn and Larissa have formed a dog bathing and grooming business. The number of dogs they can bathe or groom in any given day is depicted in Table 2.1. As they groom more dogs, the opportunity cost of grooming additional dogs

10) _____

A) falls.

B) rises.

C) remains constant.

D) depends on the prices being charged.

Answer: B

Explanation: A)
B)
C)
D)

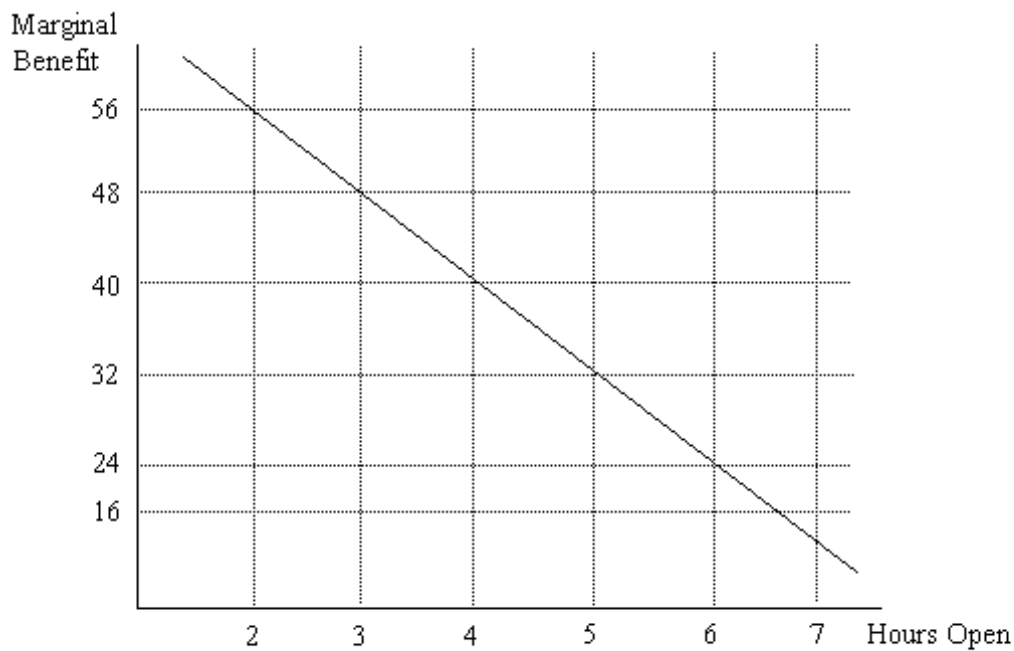


Figure 2.2

- 11) Joe runs a business and needs to decide how many hours to stay open. Figure 2.2 illustrates his marginal benefit of staying open for each additional hour. Suppose that Joe's marginal cost of staying open per hour is \$32. How many hours should Joe stay open?

11) _____

- A) 4 hours B) 5 hours C) 6 hours D) 7 hours

Answer: B

Explanation: A)
B)
C)
D)

Recall the Application about why people walk up stairs but not escalators to answer the following question(s).

- 12) Weighing the benefits and costs of walking up an escalator versus standing still on an escalator addresses the economic concept known as

12) _____

- A) the marginal principle. B) the principle of opportunity cost.
C) the principle of voluntary exchange. D) the principle of diminishing returns.

Answer: A

Explanation: A)
B)
C)
D)

Recall the Application about Jasper Johns and house painting to answer the following question(s). In this Application, it is assumed that Johns can earn \$5,000 per day by painting works of art, and therefore should hire a housepainter who charges \$150 per day, and takes 10 days, to paint his house.

- 13) Based on the Application, Jasper Johns' daily earnings are 33.33 times more than the housepainter's daily earnings. If Jasper Johns' earnings per day were only twice as much as the housepainter's earnings, what should he do? 13) _____
- A) He should still hire the housepainter to paint his house.
 - B) He should hire a less productive housepainter.
 - C) He should remain indifferent as to who paints the house, for the difference in daily earnings would now be much less significant.
 - D) He should paint his house himself.

Answer: D

Explanation: A)
B)
C)
D)

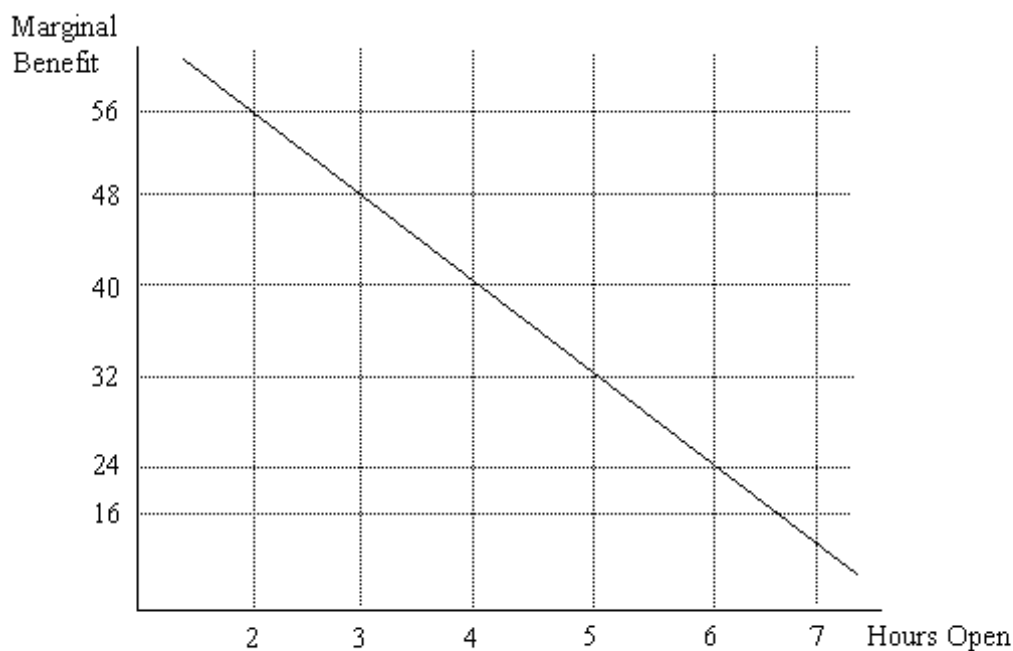


Figure 2.2

- 14) Joe runs a business and needs to decide how many hours to stay open. Figure 2.2 illustrates his marginal benefit of staying open for each additional hour. Suppose that Joe's marginal cost of staying open per hour is \$24. How many hours should Joe stay open? 14) _____
- A) 3 hours
 - B) 4 hours
 - C) 5 hours
 - D) 6 hours

Answer: D

Explanation: A)
B)
C)
D)

Hours of Operation	Marginal Cost
1	6
2	12
3	18
4	24
5	30
6	36
7	42

Table 2.2

- 15) Krystal runs a nail salon and needs to decide how many hours to stay open. Table 2.2 illustrates her marginal costs of staying open for each additional hour. Suppose that we observe Krystal staying open 4 hours per day. If she is following the marginal principle, what must her marginal benefit be? 15) _____

A) \$12 B) \$18 C) \$24 D) \$30

Answer: C

Explanation: A)
B)
C)
D)

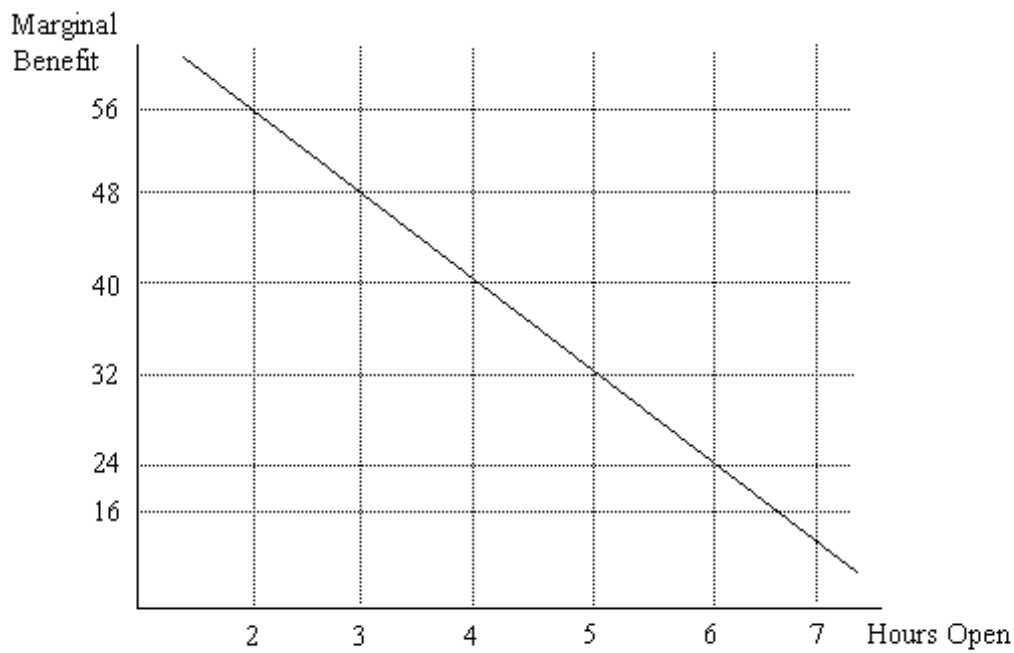


Figure 2.2

16) Joe runs a business and needs to decide how many hours to stay open. Figure 2.2 illustrates his marginal benefit of staying open for each additional hour. Suppose that we observe Joe staying open 6 hours per day. If he is following the marginal principle, what must his marginal cost per hour be?

16) _____

- A) \$16 B) \$24 C) \$32 D) \$48

Answer: B

Explanation: A)
B)
C)
D)

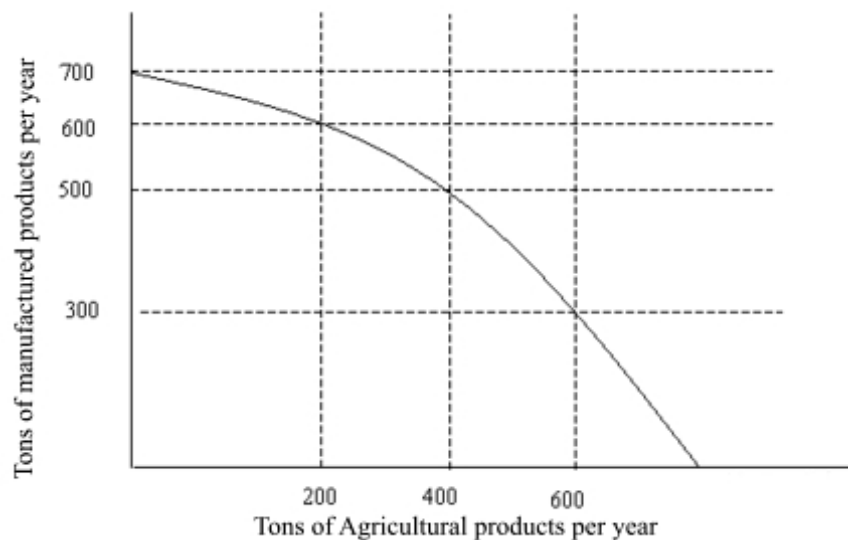


Figure 2.1

- 17) Refer to Figure 2.1. What is the opportunity cost of increasing production of manufactured products from 500 tons to 600 tons per year?
- A) 200 tons of agricultural products per year
 - B) 400 tons of agricultural products per year
 - C) 500 tons of agricultural products per year
 - D) 600 tons of agricultural products per year

17) _____

Answer: A

Explanation: A)
B)
C)
D)

Recall the Application about the value of the minimum wage between 1974 and 2007 and the impact inflation has on the real minimum wage to answer the following question(s). The following table is from the Application.

	1974	2007
Minimum wage per hour	\$ 2.00	\$ 5.85
Weekly income from minimum wage	\$80.00	\$234.00
Cost of a standard basket of goods	\$47.00	\$202.00
Number of baskets per week	1.70	1.16

- 18) In comparing the minimum wages between 1974 and 2007, this Application addresses the economic concept of
- A) the real-nominal principle.
 - B) the marginal principle.
 - C) the principle of voluntary exchange.
 - D) the principle of diminishing returns.

18) _____

Answer: A

Explanation: A)
B)
C)
D)

Recall the Application about why people walk up stairs but not escalators to answer the following question(s).

- 19) Walking up an escalator as opposed to standing still on an escalator makes sense if the _____ of walking is less than the _____ of walking. 19) _____

A) marginal benefit; marginal cost B) marginal benefit; opportunity cost
C) marginal cost; marginal benefit D) marginal cost; opportunity cost

Answer: C

Explanation: A)
B)
C)
D)

- 20) Suppose that you lend \$1,000 to a friend and he or she pays you back one year later. What is the opportunity cost of lending the money? 20) _____

A) There is no cost.
B) The implicit cost of the money.
C) The nominal interest rate that would have been earned on the money.
D) The real interest rate that would have been earned on the money.

Answer: D

Explanation: A)
B)
C)
D)

- 21) The real value of money 21) _____

A) reflects the purchasing power of the sum of money.
B) is the same as its nominal value.
C) matters less to people than its nominal value.
D) is another word for the face value.

Answer: A

Explanation: A)
B)
C)
D)

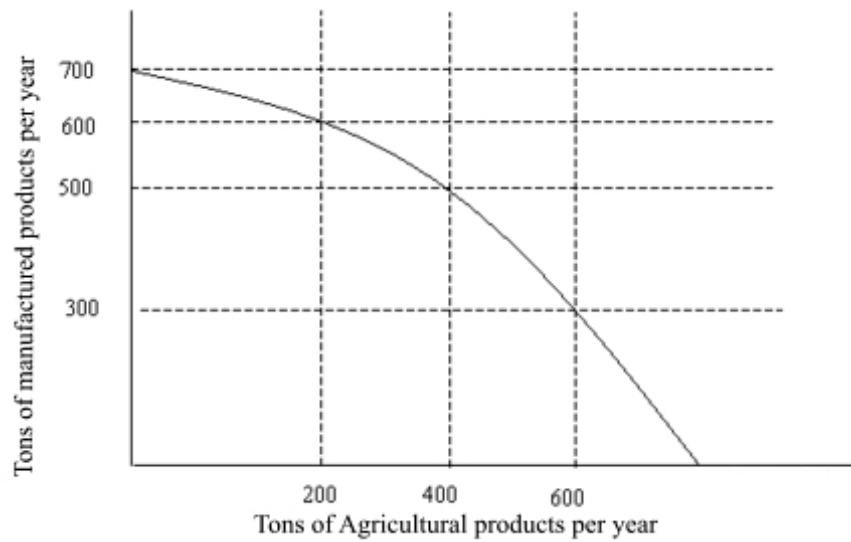


Figure 2.1

- 22) Referring to Figure 2.1, if you increase the production of farm goods, what other area is affected? 22) _____
- A) the production of manufactured goods B) the wages earned by farm workers
C) how much people can purchase D) the price of produce

Answer: A

Explanation: A)
B)
C)
D)

Recall the Application about the time and invested funds that are involved in starting a decorative bottle-cap pin business to answer the following question(s).

- 23) The time and invested funds involved in starting a decorative bottle-cap pin business address the economic concept of 23) _____
- A) opportunity cost. B) the principle of diminishing returns.
C) the real-nominal principle. D) the marginal principle.

Answer: A

Explanation: A)
B)
C)
D)

Additional Application

Summary of the article:

Consumer spending stalls, threatens recovery

msnbc.com news services

August 3, 2010

Reflecting what is being referred to as the "new normal," consumer spending is down, home sales have declined, and personal savings has risen since the start of the recession in 2007, and the continuation of this trend is threatening the economic recovery in the United States. In June 2010, factory orders fell for the second consecutive month, home sales fell by nearly 19 percent compared to June 2009, and personal spending and income remained relatively flat. The personal savings rate, however, has continued to increase, reaching a level of 6.4 percent of after-tax income in June 2010, which is more than three times higher than the average savings rate prior to the start of the recession in 2007. The increase in savings is coming at the expense of consumer spending, and economists worry that households' financial problems could cause a further decline in spending for the second half of 2010.

24) According to the Application, a tradeoff exists between

24) _____

- A) home sales in 2009 and home sales in 2010.
- B) consumer spending and home sales.
- C) consumer spending and personal savings.
- D) income levels and the savings rate.

Answer: C

Explanation: A)
B)
C)
D)

25) The trade-offs made by the U.S. government to fund the war in Iraq

25) _____

- A) prove that the government is spending too much on the war.
- B) represent what was potentially sacrificed to engage in the war.
- C) exceed the benefits derived from the war.
- D) show that the government is justified in its war spending.

Answer: B

Explanation: A)
B)
C)
D)

26) Spending money on a new car instead of a used car when you are on a fixed budget is an example of

26) _____

- A) a bad thing to do because you run out of money.
- B) isolating variables.
- C) living on the edge.
- D) the incursion of an opportunity cost.

Answer: D

Explanation: A)
B)
C)
D)

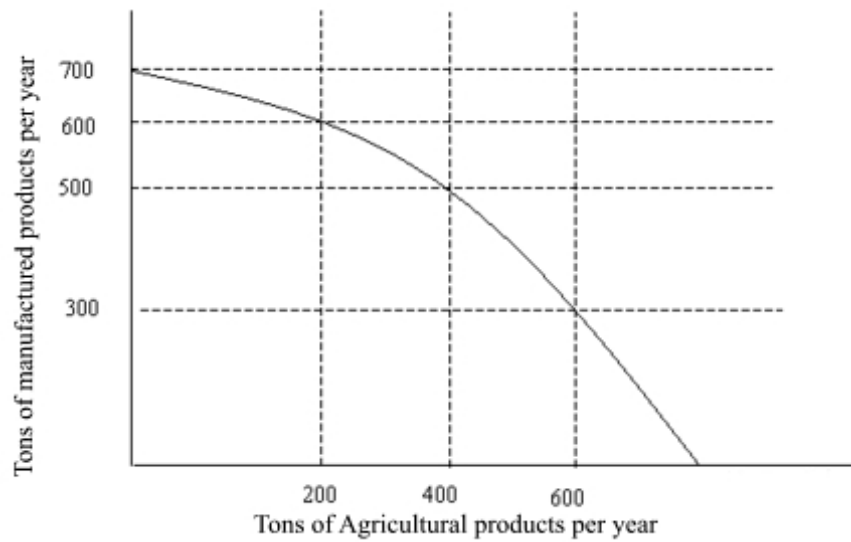


Figure 2.1

- 27) Refer to Figure 2.1. If you choose to produce only agricultural products, what is the maximum quantity you can produce per year? 27) _____

A) 200 tons B) 400 tons C) 600 tons D) > 600 tons

Answer: D

Explanation: A)
B)
C)
D)

- 28) The use of seat belts and other automobile safety features making bicycling more hazardous can be explained by the economic concept known as 28) _____

A) the principle of voluntary exchange. B) the principle of diminishing returns.
C) the principle of opportunity cost. D) the marginal principle.

Answer: D

Explanation: A)
B)
C)
D)

Bath	Groom
0	6
7	5
13	4
18	3
22	2
25	1
27	0

Table 2.1

- 29) Kaitlyn and Larissa have formed a dog bathing and grooming business. The number of dogs they can bathe or groom in any given day is depicted in Table 2.1. The opportunity cost of grooming the first dog in a day is bathing _____ dog(s). 29) _____

A) 1 B) 2 C) 24 D) 25

Answer: B

Explanation: A)
B)
C)
D)

- 30) According to the principle of diminishing returns, if all factors of production but one are held constant and if that one factor is doubled, then eventually output will most likely 30) _____

A) double too. B) more than double.
C) less than double. D) remain unchanged.

Answer: C

Explanation: A)
B)
C)
D)

- 31) Jacinda quit her job as a blackjack dealer where she made \$42,000 per year to start her own florist business. Her business expenses are \$14,000 per year on rent, \$21,000 per year on supplies, and \$9,000 per year on part time help. As for her personal expenses, her apartment costs her \$12,000 per year and her personal bills are an extra \$6,000 per year. What is Jacinda's opportunity cost of running the business? 31) _____

A) \$104,000 B) \$86,000 C) \$62,000 D) \$44,000

Answer: B

Explanation: A)
B)
C)
D)

32) Steven lives in a big city where there is a shortage of parking. He has a parking spot in his driveway where he parks his car. Which of the following statements is most correct? 32) _____

- A) The opportunity cost of using the parking spot is the price he could charge someone else for using the spot.
- B) Steven has a lower opportunity cost of owning a car than his neighbor, who must rent a parking spot.
- C) The opportunity cost depends on how much Steven's mortgage payment is.
- D) The opportunity cost of using the spot is zero, because Steven owns the house.

Answer: A

Explanation: A)
B)
C)
D)

33) The principle that "as one input increases while the other inputs are held fixed, output increases at a decreasing rate" is known as the 33) _____

- A) marginal principle.
- B) spillover principle.
- C) principle of opportunity cost.
- D) principle of diminishing returns.

Answer: D

Explanation: A)
B)
C)
D)

Bath	Groom
0	6
7	5
13	4
18	3
22	2
25	1
27	0

Table 2.1

34) Kaitlyn and Larissa have formed a dog bathing and grooming business. The number of dogs they can bathe or groom in any given day is depicted in Table 2.1. The opportunity cost of grooming the sixth dog in a day is bathing _____ dog(s). 34) _____

- A) 0
- B) 5
- C) 6
- D) 7

Answer: D

Explanation: A)
B)
C)
D)

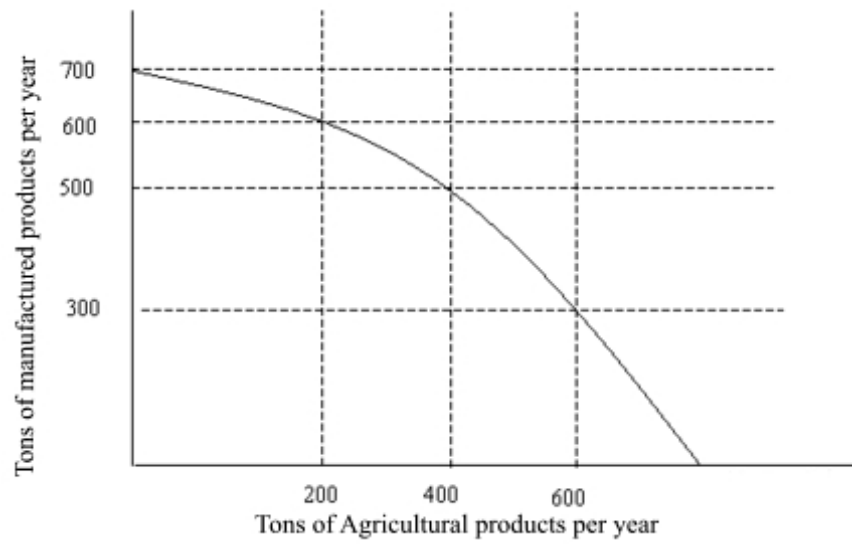


Figure 2.1

35) Refer to Figure 2.1. If you are producing 600 tons of agricultural products per year, what is the maximum amount of manufactured products you can produce per year?

35) _____

- A) 300 tons B) 500 tons C) 600 tons D) 700 tons

Answer: A

Explanation: A)
B)
C)
D)

Additional Application

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- 36) All else equal, if income continues to remain flat, the only way for consumer spending to increase is 36) _____
for personal savings to
A) remain unchanged. B) remain flat.
C) increase. D) decrease.

Answer: D

Explanation: A)
B)
C)
D)

- 37) Suppose your bank pays you 4 percent interest per year on your savings account, so that \$1,000 37) _____
grows to \$1,040 over a one-year period. If prices increase by 1 percent per year over that time,
approximately how much do you gain by keeping \$100 in the bank for a year?
A) \$0 B) \$10 C) \$30 D) \$50

Answer: C

Explanation: A)
B)
C)
D)

Bath	Groom
0	6
7	5
13	4
18	3
22	2
25	1
27	0

Table 2.1

- 38) Kaitlyn and Larissa have formed a dog bathing and grooming business. The number of dogs they can bathe or groom in any given day is depicted in Table 2.1. The opportunity cost of grooming the third dog in a day is bathing _____ dog(s). 38) _____

A) 3 B) 4 C) 5 D) 18

Answer: B

Explanation: A)
B)
C)
D)

- 39) Suppose your bank pays you 5 percent interest per year on your savings account. If prices increase by 5 percent per year over that time, approximately how much do you gain by keeping \$100 in the bank for a year? 39) _____

A) \$0 B) \$1 C) \$3 D) \$6

Answer: A

Explanation: A)
B)
C)
D)

- 40) According to the principle of diminishing returns, if the number of workers is increased beyond the point of diminishing returns, then the additional worker 40) _____

A) increases total output by more than the amount of previous workers.
B) increases total output by the same amount as previous workers.
C) decreases total output.
D) increases total output by less than the amount of previous workers.

Answer: D

Explanation: A)
B)
C)
D)

41) Angelina, age seven, decides to dress up like Princess Fiona for Halloween. What is her opportunity cost of this decision?

41) _____

- A) the cost of the costume
- B) the cost of the Lady Gaga costume which she did not want
- C) the fact that she can't dress up like Dora the Explorer, her second choice
- D) zero, because seven-year-olds don't have opportunity costs

Answer: C

Explanation: A)
B)
C)
D)

Acres of Land	Tanks of Fertilizer	Truckloads of Potatoes
20	0	28
20	1	70
20	2	105
20	3	135
20	4	152
20	5	141

Table 2.4

42) Refer to Table 2.4. The principle of diminishing returns sets in with the addition of the _____ tank of fertilizer.

42) _____

- A) second
- B) third
- C) fourth
- D) fifth

Answer: B

Explanation: A)
B)
C)
D)

Recall the Application about the use of fertilizer and its impact on crop yields to answer the following question(s). The table is taken from this Application.

Fertilizer and Corn Yield	
Bags of Fertilizer	Bushels of Corn
0	85
1	120
2	135
3	144
4	147

43) Refer to the table above. The farmer began to experience diminishing returns after applying how many bags of fertilizer?

43) _____

- A) 1
- B) 2
- C) 3
- D) 4

Answer: A

Explanation: A)
B)
C)
D)

- 44) Based on the data in the table, this Application addresses the economic concept of _____
A) the real-nominal principle. B) the principle of diminishing returns.
C) the marginal principle. D) the principle of voluntary exchange.

Answer: B

Explanation: A)
B)
C)
D)

Additional Application

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- 45) The relationship between consumer spending and saving discussed in the Application addresses _____
the economic principle of
A) opportunity cost. B) real versus nominal.
C) thinking at the margin. D) diminishing returns.

Answer: A

Explanation: A)
B)
C)
D)

- 46) The extra benefit resulting from a small increase in an activity is called the _____
A) marginal cost. B) opportunity cost.
C) diminishing returns of the activity. D) marginal benefit.

Answer: D

Explanation: A)
B)
C)
D)

- 47) The saying that "There's no such thing as a free lunch" refers to the _____
A) reality principle. B) principle of opportunity cost.
C) marginal principle. D) spillover principle.

Answer: B

Explanation: A)
B)
C)
D)

- 48) If real salaries increase but nominal salaries do not, this means that _____
A) prices have risen.
B) prices have fallen.
C) the purchasing power of money has decreased.
D) prices have not changed.

Answer: B

Explanation: A)
B)
C)
D)

- 49) The principle of voluntary exchange is based on the idea of _____
A) isolating variables. B) making assumptions.
C) rational self-interest. D) thinking at the margin.

Answer: C

Explanation: A)
B)
C)
D)

Recall the Application about the time and invested funds that are involved in starting a decorative bottle-cap pin business to answer the following question(s).

- 50) If you have \$10,000 to start a decorative bottle-cap pin business, the interest rate is 4 percent, your annual cost of raw materials are \$3,000, and the earnings you sacrifice from working at another job are \$32,000, your yearly cost of doing business would be _____
A) \$13,000. B) \$13,400. C) \$35,400. D) \$45,000.

Answer: C

Explanation: A)
B)
C)
D)

Bath	Groom
0	6
7	5
13	4
18	3
22	2
25	1
27	0

Table 2.1

51) Kaitlyn and Larissa have formed a dog bathing and grooming business. The number of dogs they can bathe or groom in any given day is depicted in Table 2.1. As they groom more dogs, the opportunity cost of bathing additional dogs 51) _____

- A) rises. B) falls.
C) remains constant. D) depends on the prices being charged.

Answer: B

Explanation: A)
B)
C)
D)

52) The face value of money or income is called its _____ value. 52) _____
A) external B) marginal C) nominal D) real

Answer: C

Explanation: A)
B)
C)
D)

53) When people act in their own self interest, it is described as the 53) _____
A) principle of scarcity. B) laws of each state.
C) principle of voluntary exchange. D) principle of supply and demand.

Answer: C

Explanation: A)
B)
C)
D)

54) What is the real value of money? 54) _____
A) its face value B) the quantity of goods it can buy
C) its compounded earnings in banks D) the ability of shop at market prices

Answer: B

Explanation: A)
B)
C)
D)

55) The opportunity cost of going to college

55) _____

- A) is zero if your parents pay your tuition.
- B) is the same for all students at a particular school who pay full tuition.
- C) is equal to the cost of tuition, room and board, and other expenses.
- D) includes wages you lose by going to school instead of working.

Answer: D

Explanation: A)
B)
C)
D)

Recall the Application about Jasper Johns and house painting to answer the following question(s). In this Application, it is assumed that Johns can earn \$5,000 per day by painting works of art, and therefore should hire a housepainter who charges \$150 per day, and takes 10 days, to paint his house.

56) At what point should Jasper Johns consider painting his own house?

56) _____

- A) if his earnings dropped to \$1,000 per day
- B) if the housepainter charges \$500 per day and takes 20 days to paint the house
- C) if the housepainter charged \$2,500 per day, since that is excessive for painting a house
- D) if the housepainter charged more for 10 days worth of work than Johns could earn each day

Answer: D

Explanation: A)
B)
C)
D)

57) Suppose that your tuition to attend college is \$24,000 per year and you spend \$8,000 per year on room and board. If you were working full time, you could earn \$30,000 per year. What is your opportunity cost of attending college for one year?

57) _____

- A) \$32,000
- B) \$38,000
- C) \$54,000
- D) \$62,000

Answer: C

Explanation: A)
B)
C)
D)

Acres of Land	Tanks of Fertilizer	Truckloads of Potatoes
20	0	28
20	1	70
20	2	105
20	3	135
20	4	152
20	5	141

Table 2.4

58) Refer to Table 2.4. Increasing the tanks of fertilizer from 3 to 4 will increase the truckloads of potatoes by 58) _____

- A) 152. B) 35. C) 17. D) 11.

Answer: C

Explanation: A)
B)
C)
D)

59) Refer to Table 2.4. What can be observed about the given resources? 59) _____

- A) Land is variable but fertilizer is fixed. B) Land is fixed but fertilizer is variable.
C) Land and fertilizer are both fixed. D) Land and fertilizer are both variable.

Answer: B

Explanation: A)
B)
C)
D)

60) You have an hour between your economics and math classes. What is the opportunity cost of that time if you use it to complete your math homework instead of your economics homework? 60) _____

- A) the cost of your calculator and math textbook
B) the math homework you chose to complete
C) the economics homework you could have completed
D) zero, because it doesn't cost any money to do your math homework

Answer: C

Explanation: A)
B)
C)
D)

Recall the Application about Jasper Johns and house painting to answer the following question(s). In this Application, it is assumed that Johns can earn \$5,000 per day by painting works of art, and therefore should hire a housepainter who charges \$150 per day, and takes 10 days, to paint his house.

61) This Application addresses the economic concept of

61) _____

A) diminishing returns.

B) the marginal principle.

C) specialization and exchange.

D) real versus nominal costs.

Answer: C

Explanation: A)
B)
C)
D)

62) A firm produces its product using both capital and labor. When it does not change its capital usage, but doubles its labor input, its output increases by less than 50 percent. Which of the following is the most likely explanation of this finding?

62) _____

A) the principle of diminishing returns

B) the spillover principle

C) the principle of opportunity cost

D) the marginal principle

Answer: A

Explanation: A)
B)
C)
D)

Acres of Land	Tanks of Fertilizer	Truckloads of Potatoes
20	0	28
20	1	70
20	2	105
20	3	135
20	4	152
20	5	141

Table 2.4

63) Refer to Table 2.4. Increasing the tanks of fertilizer from 4 to 5 will

63) _____

A) require more acres of land.

B) decrease truckloads of potatoes.

C) have no effect on truckloads of potatoes.

D) increase truckloads of potatoes.

Answer: B

Explanation: A)
B)
C)
D)

64) What is the nominal value of money?

64) _____

- A) its actual face value
- B) discounts taken by multiple purchases
- C) savings by shopping on specific days of the week
- D) what can be purchased with the money

Answer: A

Explanation: A)
B)
C)
D)

Recall the Application about the use of fertilizer and its impact on crop yields to answer the following question(s). The table is taken from this Application.

Fertilizer and Corn Yield	
Bags of Fertilizer	Bushels of Corn
0	85
1	120
2	135
3	144
4	147

65) Refer to the table above. The farmer increased his total production of corn by 9 bushels per acre after applying

65) _____

- A) the first bag of fertilizer.
- B) the second bag of fertilizer.
- C) the third bag of fertilizer.
- D) the fourth bag of fertilizer.

Answer: C

Explanation: A)
B)
C)
D)

66) The value of money or income in terms of the quantity of goods the money can buy is called its

A) real value. B) nominal value. C) marginal value. D) implicit value.

66) _____

Answer: A

Explanation: A)
B)
C)
D)

67) An unemployed individual decides to spend the day fishing. The opportunity cost of fishing is equal to 67) _____

- A) the cost of bait, any other monetary expenses, and the value of the individual's wages while he was working.
- B) zero, because the person doesn't have a job.
- C) the cost of bait, any other monetary expenses, and the value of the best alternative use of the individual's time.
- D) the cost of bait and any other monetary expenses.

Answer: C

Explanation: A)
B)
C)
D)

Recall the Application about the impact inflation has on your potential future salary and the repayment of student loans to answer the following question(s).

68) In considering the costs involved for student loans that must be repaid in ten years, this 68) _____

Application is addressing the economic concept of

- A) the real-nominal principle.
- B) the principle of voluntary exchange.
- C) the marginal principle.
- D) the principle of diminishing returns.

Answer: A

Explanation: A)
B)
C)
D)

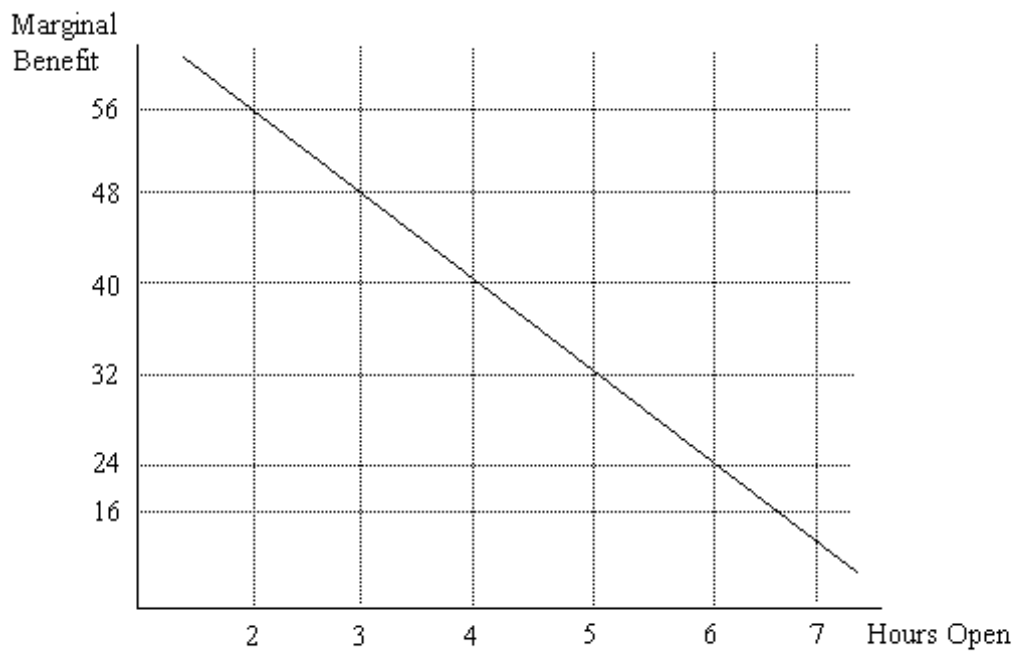


Figure 2.2

69) Joe runs a business and needs to decide how many hours to stay open. Figure 2.2 illustrates his marginal benefit of staying open for each additional hour. Suppose that we observe Joe staying open 3 hours per day. If he is following the marginal principle, what must his marginal cost per hour be?

69) _____

- A) \$24 B) \$32 C) \$40 D) \$48

Answer: D

Explanation: A)
B)
C)
D)

70) You borrow money to buy a house in 2007 at a fixed interest rate of 6.5 percent. By 2010, the inflation rate has steadily fallen to 2.5 percent from the recent high of 4.0 percent in 2007. Considering *only* your mortgage, is inflation good news or bad news for you?

70) _____

- A) bad news, because inflation hurts everyone
B) good news, because it makes the real value of your mortgage payments decrease
C) bad news, because it makes the real value of your mortgage payments increase
D) bad news, because it makes the nominal value of your mortgage payments increase

Answer: C

Explanation: A)
B)
C)
D)

71) The marginal principle implies that an individual should produce or consume where

71) _____

- A) total benefit equals total cost.
- B) marginal benefit exceeds marginal cost.
- C) marginal benefit is less than marginal cost.
- D) marginal benefit equals marginal cost.

Answer: D

Explanation: A)
B)
C)
D)

72) The principle of diminishing returns implies that as one input increases while the other inputs are held fixed, output

72) _____

- A) increases at an increasing rate.
- B) decreases at a decreasing rate.
- C) increases at a decreasing rate.
- D) decreases at an increasing rate.

Answer: C

Explanation: A)
B)
C)
D)

Recall the Application about the impact inflation has on your potential future salary and the repayment of student loans to answer the following question(s).

73) According to this Application, more time would be required to pay off a student loan if all prices

73) _____

- A) increased by 20 percent.
- B) remained stable.
- C) increased by 40 percent.
- D) decreased by 10 percent.

Answer: D

Explanation: A)
B)
C)
D)

74) Diminishing returns occurs because

74) _____

- A) one of the inputs to the production process is fixed.
- B) consumers don't buy enough of the products produced.
- C) not enough people have jobs.
- D) two people have not satisfied their self-interests.

Answer: A

Explanation: A)
B)
C)
D)

Recall the Application about the time and invested funds that are involved in starting a decorative bottle-cap pin business to answer the following question(s).

- 75) The current income Betty would sacrifice to start her own decorative bottle-cap pin business reflects the 75) _____
- A) present value of her initial investment.
 - B) cost of doing business.
 - C) opportunity cost of invested funds.
 - D) opportunity cost of her starting a business.

Answer: D

Explanation: A)
B)
C)
D)

- 76) The principle that states that what matters to people is the real value or purchasing power of money is the 76) _____
- A) real-nominal principle.
 - B) spillover principle.
 - C) principle of diminishing returns.
 - D) marginal principle.

Answer: A

Explanation: A)
B)
C)
D)

Hours of Operation	Marginal Cost
1	6
2	12
3	18
4	24
5	30
6	36
7	42

Table 2.2

- 77) Krystal runs a nail salon and needs to decide how many hours to stay open. Table 2.2 illustrates her marginal costs of staying open for each additional hour. Suppose that we observe Krystal staying open 5 hours and her marginal benefit of staying open per hour is \$36. If she is following the marginal principle, Krystal should 77) _____
- A) stay open 1 more hour.
 - B) stay open 2 more hours.
 - C) stay open 1 fewer hour.
 - D) stay open 2 fewer hours.

Answer: A

Explanation: A)
B)
C)
D)

78) When referring to "marginal" changes, the economic focus is on

78) _____

- A) graduated changes on the high end.
- B) changes which affect only a few people or products.
- C) large changes on the low end.
- D) small or incremental changes.

Answer: D

Explanation: A)
B)
C)
D)

79) If an economy is fully utilizing its resources, it can produce more of one product only if it

79) _____

- A) reduces the prices of the most expensive products.
- B) adds more people to the labor force.
- C) produces less of another product.
- D) doubles manufacturing of the product.

Answer: C

Explanation: A)
B)
C)
D)

Units of Capital	Number of Workers	Output/Day
5	0	0
5	1	40
5	2	90
5	3	150
5	4	200
5	5	235

Table 2.3

80) Refer to Table 2.3. Increasing the number of workers from 2 to 3 will increase output per day by

80) _____

- A) 60 units.
- B) 90 units.
- C) 150 units.
- D) 240 units.

Answer: A

Explanation: A)
B)
C)
D)

81) The opportunity cost of something is

81) _____

- A) the price charged for it.
- B) the search cost required to find it.
- C) what you sacrifice to get it.
- D) the cost of the labor used to produce it.

Answer: C

Explanation: A)
B)
C)
D)

- 82) Suppose that your tuition to attend college is \$14,000 per year and you spend \$5,000 per year on room and board. If you were working full time, you could earn \$26,000 per year. What is your opportunity cost of attending college? 82) _____
- A) \$19,000 B) \$31,000 C) \$40,000 D) \$45,000

Answer: C

Explanation: A)
B)
C)
D)

- 83) The principle of opportunity cost 83) _____
- A) is only relevant in economics.
B) is more relevant for firms than for individuals.
C) only refers to monetary payments.
D) is applicable to all decision-making.

Answer: D

Explanation: A)
B)
C)
D)

Recall the Application about the use of fertilizer and its impact on crop yields to answer the following question(s). The table is taken from this Application.

Fertilizer and Corn Yield	
Bags of Fertilizer	Bushels of Corn
0	85
1	120
2	135
3	144
4	147

- 84) Refer to the table above. After applying the second bag of fertilizer, the farmer experienced 84) _____
- A) negative returns. B) diminishing returns.
C) constant returns. D) increasing returns.

Answer: B

Explanation: A)
B)
C)
D)

- 85) When deciding whether to engage in an activity or how much to do, people should follow 85) _____
- A) the marginal principle. B) the principle of macroeconomics.
C) the law of supply and demand. D) the principle of microeconomics.

Answer: A

Explanation: A)
B)
C)
D)

86) You rent a DVD of Iron Man II. The rental is for seven days and you watch the movie on the first day. You tell a friend about the film and your friend asks to come over and watch the movie with you before it is due back. What is your opportunity cost if you decide to watch the movie a second time instead of going to a football game?

86) _____

- A) the entire cost of the movie rental, since you have already watched the movie
- B) one half the rental cost, because you have already watched the movie one time
- C) the football game you forego by watching the movie again
- D) The answer depends on how much you liked the movie in the first place.

Answer: C

Explanation: A)
B)
C)
D)

87) Considering how a change in one variable affects the value of another variable is called

87) _____

- A) the principle of supply and demand.
- B) the Peter Principle.
- C) the marginal principle.
- D) functional decision making.

Answer: C

Explanation: A)
B)
C)
D)

88) The real-nominal principle states that

88) _____

- A) people respond more to implicit costs than to explicit costs.
- B) what matters to people is the face value of money or income.
- C) what matters to people is the purchasing power of money or income.
- D) people respond more to explicit, or real, costs than to implicit costs.

Answer: C

Explanation: A)
B)
C)
D)

89) Suppose that you own a house. What is the opportunity cost of living in the house?

89) _____

- A) There is no opportunity cost unless you could set up a business in the house.
- B) The opportunity cost is the rent you could have received from a tenant if you didn't live there.
- C) There is no opportunity cost because you own the house.
- D) The opportunity cost is the cost of your monthly mortgage payment plus bills.

Answer: B

Explanation: A)
B)
C)
D)

Recall the Application about the impact inflation has on your potential future salary and the repayment of student loans to answer the following question(s).

- 90) According to this Application, if you earn a salary of \$40,000 in the first year and all prices triple in the next 10 years, what will your nominal annual salary be in 10 years? 90) _____
- A) \$20,000 B) \$60,000 C) \$120,000 D) \$180,000

Answer: C

Explanation: A)
B)
C)
D)

Recall the Application about the value of the minimum wage between 1974 and 2007 and the impact inflation has on the real minimum wage to answer the following question(s). The following table is from the Application.

	1974	2007
Minimum wage per hour	\$ 2.00	\$ 5.85
Weekly income from minimum wage	\$80.00	\$234.00
Cost of a standard basket of goods	\$47.00	\$202.00
Number of baskets per week	1.70	1.16

- 91) Refer to the table above. By what percentage did the federal minimum wage increase from 1974 to 2007? 91) _____
- A) 65.81 percent B) 192.5 percent C) 222.3 percent D) 292.5 percent

Answer: B

Explanation: A)
B)
C)
D)

- 92) Refer to the table above. What happened to the real value of the minimum wage between 1974 and 2007? 92) _____
- A) It increased.
B) It remained the same.
C) It decreased.
D) It could not be determined from the given information.

Answer: C

Explanation: A)
B)
C)
D)

93) The sacrifices made by societies in order to engage in military spending represent

93) _____

- A) the real costs of military spending.
- B) the opportunity costs of military spending.
- C) the nominal costs of military spending.
- D) the excessive costs of military spending.

Answer: B

Explanation: A)
B)
C)
D)

Hours of Operation	Marginal Cost
1	6
2	12
3	18
4	24
5	30
6	36
7	42

Table 2.2

94) Krystal runs a nail salon and needs to decide how many hours to stay open. Table 2.2 illustrates her marginal costs of staying open for each additional hour. Suppose that we observe Krystal staying open 5 hours and her marginal benefit of staying open per hour is \$18. If she is following the marginal principle, Krystal should

94) _____

- A) stay open 2 more hours.
- B) stay open 3 more hours.
- C) stay open 2 fewer hours.
- D) stay open 3 fewer hours.

Answer: C

Explanation: A)
B)
C)
D)

Recall the Application about the value of the minimum wage between 1974 and 2007 and the impact inflation has on the real minimum wage to answer the following question(s). The following table is from the Application.

	1974	2007
Minimum wage per hour	\$ 2.00	\$ 5.85
Weekly income from minimum wage	\$80.00	\$234.00
Cost of a standard basket of goods	\$47.00	\$202.00
Number of baskets per week	1.70	1.16

95) Refer to the table above. The nominal value of the minimum wage in 2007 was

95) _____

- A) \$1.07 per hour.
- B) \$2.00 per hour.
- C) \$3.15 per hour.
- D) \$5.85 per hour.

Answer: D

Explanation: A)
B)
C)
D)

96) If real salaries decrease but nominal salaries do not, this means that

96) _____

- A) prices have risen.
- B) the purchasing power of money has increased.
- C) prices have fallen.
- D) prices have not changed.

Answer: A

Explanation: A)
B)
C)
D)

97) A Major League Baseball player signs a contract that pays \$27 million over 5 years. The \$27 million is the contract's _____ value.

97) _____

- A) external
- B) real
- C) implicit
- D) nominal

Answer: D

Explanation: A)
B)
C)
D)

Hours of Operation	Marginal Cost
1	6
2	12
3	18
4	24
5	30
6	36
7	42

Table 2.2

98) Krystal runs a nail salon and needs to decide how many hours to stay open. Table 2.2 illustrates her marginal costs of staying open for each additional hour. Suppose that Krystal's marginal benefit of staying open per hour is \$18. If she is following the marginal principle, how many hours should Krystal stay open?

98) _____

- A) 3 hours
- B) 4 hours
- C) 6 hours
- D) 7 hours

Answer: A

Explanation: A)
B)
C)
D)

99) The principle that the cost of something is equal to what is sacrificed to get it is known as the

99) _____

- A) principle of diminishing returns.
- B) reality principle.
- C) marginal principle.
- D) principle of opportunity cost.

Answer: D

Explanation: A)
B)
C)
D)

100) The additional cost resulting from a small increase in some activity is called the

- A) marginal benefit. B) opportunity cost.
C) diminishing returns of the activity. D) marginal cost.

100) _____

Answer: D

Explanation: A)
B)
C)
D)

Hours of Operation	Marginal Cost
1	6
2	12
3	18
4	24
5	30
6	36
7	42

Table 2.2

101) Krystal runs a nail salon and needs to decide how many hours to stay open. Table 2.2 illustrates her marginal costs of staying open for each additional hour. Suppose that Krystal's marginal benefit of staying open per hour is \$30. If she is following the marginal principle, how many hours should Krystal stay open?

101) _____

- A) 4 hours B) 5 hours C) 6 hours D) 7 hours

Answer: B

Explanation: A)
B)
C)
D)

102) If you remove resources from factory production, the quantity of factory goods will

102) _____

- A) remain the same but their price will decrease.
B) be diverted to other production.
C) increase.
D) decrease.

Answer: D

Explanation: A)
B)
C)
D)

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

- 103) Different people eat different amounts of food when they go to buffet restaurants, even though they all pay the same price. Explain how this relates to the marginal principle. 103) _____

Answer: The marginal monetary cost of eating more is zero, so people will eat until they would not enjoy eating other bite. There is an implicit cost of eating more once you are full (extra weight gain and physical discomfort). Therefore, people will eat until marginal benefit equals marginal cost, and this will occur at different amounts of food for different people.

Explanation:

- 104) You are running a small yard maintenance business for the summer. What do you expect to happen to the number of yards you can maintain in a day as you add workers if you don't purchase more capital equipment (like mowers and leaf blowers)? 104) _____

Answer: It is likely that as you add workers, you will get incrementally less output out of each additional worker. Holding constant your materials, such as trucks, lawnmowers, etc., you'll almost surely be able to maintain more yards per day. But as you hire more workers, there might be waits for use of the tools, or for transportation to the next job. This is the prediction of the principle of diminishing returns.

Explanation:

- 105) What is a marginal benefit? 105) _____

Answer: A marginal benefit is the additional benefit resulting from a small increase in the production of a good.

Explanation:

- 106) When a firm hired its tenth worker, its factory output increased by four units per month. Would you expect the firm's output to increase by eight more units per month if the firm hired two more workers? 106) _____

Answer: No. The principle of diminishing marginal returns suggests that after some point of increasing returns, each incremental worker should have a progressively lower level of marginal productivity.

Explanation:

- 107) What is an opportunity cost? 107) _____

Answer: An opportunity cost is what you sacrifice to get something.

Explanation:

- 108) How would an increase in prices in retail stores change the real value of the money you earn as wages? 108) _____

Answer: The real value would decrease.

Explanation:

- 109) Explain the concept of diminishing returns. 109) _____

Answer: The principle of diminishing returns shows that in the short run, beyond some point, output will increase at a decreasing rate. For example, producing more output in an existing production facility by increasing the number of workers sharing the facility will bring into effect the principle of diminishing returns, as output will eventually increase but at a decreasing rate.

Explanation:

- 110) Explain the real-nominal principle. 110) _____
Answer: The real-nominal principle explains that what matters to people is the real value of money or income - its purchasing power - and not the face value of money or income.
Explanation:
- 111) Consider a firm that is trying to determine how many hours to remain open in a day. How would the firm make this decision? 111) _____
Answer: The firm would continue to stay open as long as the incremental, or marginal, benefit of staying open (say, the increased revenues) each extra hour exceeds (or at least equals) the incremental, or marginal, costs (e.g., electricity, wages, etc.) incurred from staying open that hour.
Explanation:
- 112) What is the opportunity cost of your college degree? 112) _____
Answer: A quick answer would be to say that the cost is the tuition, room and board, and books expenditures that are borne during the college years. But such a statement would be incorrect. First, it understates one aspect of costs: one is giving up income while a student. But it also overstates the costs in another dimension: people would eat and sleep somewhere regardless of their attendance in college. So one should not consider room and board to be part of the cost of college attendance.
Explanation:
- 113) What is the opportunity cost of investing \$10,000 of your own money in a business you wish to start? 113) _____
Answer: The opportunity cost of your \$10,000 is the money you lose because you cannot invest the money elsewhere.
Explanation:
- 114) Is it possible for nominal wages to decrease while real wages increase? 114) _____
Answer: Yes, though unlikely. This would imply that prices have fallen, and that the decrease is sufficiently negative to offset any losses in nominal wages.
Explanation:
- 115) What is a marginal cost? 115) _____
Answer: A marginal cost is the additional cost resulting from a small increase in the production of a good.
Explanation:
- 116) If your salary increases at a lower rate than prices are increasing, what would happen to your buying power? 116) _____
Answer: Your money would have less buying power.
Explanation:

117) What do economists mean when they say that there is no such thing as a free lunch? 117) _____

Answer: Everything has a cost, even when you do not pay money for it. Suppose that somebody bought you lunch. Resources from the economy were used to make that lunch, even though those resources may not belong to you. Consequently, the economy gave up anything else it could have made with the resources it used to make the lunch. The opportunity cost of that lunch is the lost opportunity to use those resources in some other way.

Explanation:

118) Use the marginal principle to explain why government mandated safety features in automobiles during the 1960s and 1970s resulted in an increase in collisions between automobiles and bicycles. 118) _____

Answer: The mandated safety features decreased the marginal cost of speed: People who wear seat belts suffer less severe injuries in a collision, so every additional unit of speed is less costly to the driver. Drivers felt more secure because they were better insulated from harm in the event of a collision, and so they drove faster. As a result, the number of collisions between cars and bicycles increased, meaning that safer environment for drivers led to a more hazardous environment for bicyclists.

Explanation:

119) Suppose that you lend \$5,000 to a friend who pays you back \$5,400 the next year. Suppose that prices that year rose by six percent and the real rate of return in the stock market was five percent. Your friend says that he or she was being more than fair by giving you more than the rate of inflation as a return. What do you think? 119) _____

Answer: The opportunity cost of that money was not just the six percent inflation, but also the real rate of return that would have been enjoyed had the money been put in the stock market. For you to have been indifferent between loaning your money versus keeping it, your friend should have reimbursed you by \$5,550, or a 11% return. This is another example of considering all the costs, both the loss in purchasing power of the money due to inflation and the implicit cost of the return that could have been earned if the money was invested in the stock market.

Explanation:

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

120) When Lonnie produces 1 pair of cowboy boots his costs total \$300. When he produces 2 pairs of cowboy boots his total costs are \$500. This means that Lonnie's marginal cost of producing the second pair of cowboy boots is \$200. 120) _____

Answer: ☒ True False

Explanation:

121) If a company's total costs per day increase from \$200 to \$400 by adding another worker, but its additional benefits are \$300, it is sensible to add that additional worker. 121) _____

Answer: ☒ True False

Explanation:

122) The principle of voluntary exchange is the concept that a voluntary exchange between two people makes both people better off. 122) _____

Answer: ☒ True False

Explanation:

- 123) What matters to people is the face value of money or income. 123) _____
Answer: True ☒ False
Explanation:
- 124) The notion of opportunity cost allows the measurement of tradeoffs. 124) _____
Answer: ☒ True False
Explanation:
- 125) When applying the marginal principle, you should pick the level at which the activity's marginal benefit equals its marginal cost. 125) _____
Answer: ☒ True False
Explanation:
- 126) In order to get his bachelor's degree, Timothy gave up an offer for a full time job as a bartender. Therefore, Timothy incurred an opportunity cost. 126) _____
Answer: ☒ True False
Explanation:
- 127) Basically, the marginal principle teaches us to evaluate the factors involved in taking an action or if doing something is worth the effort. 127) _____
Answer: ☒ True False
Explanation:
- 128) The opportunity cost of going to a particular college is not the same for everyone. 128) _____
Answer: ☒ True False
Explanation:
- 129) Tradeoffs involve an exchange of one thing for another because resources are limited and can be used in different ways. 129) _____
Answer: ☒ True False
Explanation:
- 130) When you have a job and your employer compensates you for your time with money, resulting in both of you being better off, it is an example of a voluntary exchange. 130) _____
Answer: ☒ True False
Explanation:
- 131) The cost of a bachelor's degree in philosophy equals the tuition plus the cost of room and board. 131) _____
Answer: True ☒ False
Explanation:
- 132) Economists argue that individuals should continue to consume until total benefit equals total cost. 132) _____
Answer: True ☒ False
Explanation:
- 133) A "market" is an arrangement that allows people to exchange things. 133) _____
Answer: ☒ True False
Explanation:

- 134) Opportunity cost is the difference between the nominal and real cost of some action. 134) _____
Answer: True ☒ False
Explanation:
- 135) When product prices increase slower than nominal wages increase, the real value of wages decreases. 135) _____
Answer: True ☒ False
Explanation:
- 136) The opportunity cost of something is the nominal price paid for the product. 136) _____
Answer: True ☒ False
Explanation:
- 137) According to the principle of diminishing returns, an additional worker decreases total output. 137) _____
Answer: True ☒ False
Explanation:
- 138) When applying the marginal principle, you should pick the level at which the activity's marginal benefit is less than its marginal cost. 138) _____
Answer: True ☒ False
Explanation:
- 139) A principle is a self-evident truth that most people readily understand and accept. 139) _____
Answer: ☒ True ☐ False
Explanation:
- 140) What matters to people is the real value of money or income. 140) _____
Answer: ☒ True ☐ False
Explanation:
- 141) If product prices decrease more than nominal wages decrease, the real value of wages will increase. 141) _____
Answer: ☒ True ☐ False
Explanation:
- 142) The opportunity cost of something is the gain you receive as a result of your sacrifice. 142) _____
Answer: True ☒ False
Explanation:
- 143) The government uses the buying power of wages rather than face value or nominal value in reporting changes in "real wages" in the economy. 143) _____
Answer: ☒ True ☐ False
Explanation:
- 144) The government uses the buying power of wages in reporting changes in "nominal wages" in the economy. 144) _____
Answer: True ☒ False
Explanation:

Answer Key
Testname: C2

- 1) B
- 2) D
- 3) D
- 4) A
- 5) C
- 6) B
- 7) B
- 8) B
- 9) C
- 10) B
- 11) B
- 12) A
- 13) D
- 14) D
- 15) C
- 16) B
- 17) A
- 18) A
- 19) C
- 20) D
- 21) A
- 22) A
- 23) A
- 24) C
- 25) B
- 26) D
- 27) D
- 28) D
- 29) B
- 30) C
- 31) B
- 32) A
- 33) D
- 34) D
- 35) A
- 36) D
- 37) C
- 38) B
- 39) A
- 40) D
- 41) C
- 42) B
- 43) A
- 44) B
- 45) A
- 46) D
- 47) B
- 48) B
- 49) C
- 50) C

Answer Key

Testname: C2

- 51) B
- 52) C
- 53) C
- 54) B
- 55) D
- 56) D
- 57) C
- 58) C
- 59) B
- 60) C
- 61) C
- 62) A
- 63) B
- 64) A
- 65) C
- 66) A
- 67) C
- 68) A
- 69) D
- 70) C
- 71) D
- 72) C
- 73) D
- 74) A
- 75) D
- 76) A
- 77) A
- 78) D
- 79) C
- 80) A
- 81) C
- 82) C
- 83) D
- 84) B
- 85) A
- 86) C
- 87) C
- 88) C
- 89) B
- 90) C
- 91) B
- 92) C
- 93) B
- 94) C
- 95) D
- 96) A
- 97) D
- 98) A
- 99) D
- 100) D

Answer Key

Testname: C2

- 101) B
- 102) D
- 103) The marginal monetary cost of eating more is zero, so people will eat until they would not enjoy eating other bite. There is an implicit cost of eating more once you are full (extra weight gain and physical discomfort). Therefore, people will eat until marginal benefit equals marginal cost, and this will occur at different amounts of food for different people.
- 104) It is likely that as you add workers, you will get incrementally less output out of each additional worker. Holding constant your materials, such as trucks, lawnmowers, etc., you'll almost surely be able to maintain more yards per day. But as you hire more workers, there might be waits for use of the tools, or for transportation to the next job. This is the prediction of the principle of diminishing returns.
- 105) A marginal benefit is the additional benefit resulting from a small increase in the production of a good.
- 106) No. The principle of diminishing marginal returns suggests that after some point of increasing returns, each incremental worker should have a progressively lower level of marginal productivity.
- 107) An opportunity cost is what you sacrifice to get something.
- 108) The real value would decrease.
- 109) The principle of diminishing returns shows that in the short run, beyond some point, output will increase at a decreasing rate. For example, producing more output in an existing production facility by increasing the number of workers sharing the facility will bring into effect the principle of diminishing returns, as output will eventually increase but at a decreasing rate.
- 110) The real-nominal principle explains that what matters to people is the real value of money or income - its purchasing power- and not the face value of money or income.
- 111) The firm would continue to stay open as long as the incremental, or marginal, benefit of staying open (say, the increased revenues) each extra hour exceeds (or at least equals) the incremental, or marginal, costs (e.g., electricity, wages, etc.) incurred from staying open that hour.
- 112) A quick answer would be to say that the cost is the tuition, room and board, and books expenditures that are borne during the college years. But such a statement would be incorrect. First, it understates one aspect of costs: one is giving up income while a student. But it also overstates the costs in another dimension: people would eat and sleep somewhere regardless of their attendance in college. So one should not consider room and board to be part of the cost of college attendance.
- 113) The opportunity cost of your \$10,000 is the money you lose because you cannot invest the money elsewhere.
- 114) Yes, though unlikely. This would imply that prices have fallen, and that the decrease is sufficiently negative to offset any losses in nominal wages.
- 115) A marginal cost is the additional cost resulting from a small increase in the production of a good.
- 116) Your money would have less buying power.
- 117) Everything has a cost, even when you do not pay money for it. Suppose that somebody bought you lunch. Resources from the economy were used to make that lunch, even though those resources may not belong to you. Consequently, the economy gave up anything else it could have made with the resources it used to make the lunch. The opportunity cost of that lunch is the lost opportunity to use those resources in some other way.
- 118) The mandated safety features decreased the marginal cost of speed: People who wear seat belts suffer less severe injuries in a collision, so every additional unit of speed is less costly to the driver. Drivers felt more secure because they were better insulated from harm in the event of a collision, and so they drove faster. As a result, the number of collisions between cars and bicycles increased, meaning that safer environment for drivers led to a more hazardous environment for bicyclists.
- 119) The opportunity cost of that money was not just the six percent inflation, but also the real rate of return that would have been enjoyed had the money been put in the stock market. For you to have been indifferent between loaning your money versus keeping it, your friend should have reimbursed you by \$5,550, or a 11% return. This is another example of considering all the costs, both the loss in purchasing power of the money due to inflation and the implicit cost of the return that could have been earned if the money was invested in the stock market.
- 120) TRUE
- 121) TRUE

Answer Key

Testname: C2

- 122) TRUE
- 123) FALSE
- 124) TRUE
- 125) TRUE
- 126) TRUE
- 127) TRUE
- 128) TRUE
- 129) TRUE
- 130) TRUE
- 131) FALSE
- 132) FALSE
- 133) TRUE
- 134) FALSE
- 135) FALSE
- 136) FALSE
- 137) FALSE
- 138) FALSE
- 139) TRUE
- 140) TRUE
- 141) TRUE
- 142) FALSE
- 143) TRUE
- 144) FALSE